

Gaff Sail: 8000326 Chris gaffmain.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000326 Chris gaffmain.des

Initial Design Date: 26/3/2024
Boat:

Comments:

Client:

Design Data
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Gaff - High Aspect Ratio

Measurements

Luff Geodesic: 3.594m
 Leech Geodesic: 8.601m
 Foot Geodesic: 5.633m
 Head Geodesic: 4.325m
 Diagonal Girth: 6.413m
 Foot Median: 4.423m
 Girth (50%-50%): 4.509m
 Surface Area: 26.179m²

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.597m	0.297m	63.828°	2.858m	6.836m	
60.000%	0.749m	0.388m	63.828°	2.125m	5.127m	
40.000%	0.749m	0.320m	63.828°	1.403m	3.418m	
20.000%	0.673m	0.176m	63.828°	0.702m	1.709m	

Reefing Points

- 1, Luff: 1.067m ; Leech: 1.142m ; Offset: -0.076m ; Number Eyelets: 4
- 2, Luff: 2.134m ; Leech: 2.283m ; Offset: -0.076m ; Number Eyelets: 4
- 3, Luff: 3.200m ; Leech: 3.424m ; Offset: -0.076m ; Number Eyelets: 4

Luff Slides

- 1, Position: 0.450m
- 2, Position: 0.899m
- 3, Position: 1.348m
- 4, Position: 1.797m
- 5, Position: 2.246m
- 6, Position: 2.695m
- 7, Position: 3.130m

Luff Curve

		Fanned Luff (@ 5.00% [0.280m])	Before BSeam
3.594m,	0.000m	100% (7.889m) :	0.000m
3.313m,	-0.006m	90% (7.103m) :	0.111m
2.695m,	-0.017m	80% (6.313m) :	0.217m
1.797m,	-0.022m	70% (5.525m) :	0.312m
0.898m,	-0.018m	60% (4.735m) :	0.391m
0.426m,	-0.010m	50% (3.944m) :	0.448m
0.000m,	0.000m	40% (3.152m) :	0.431m
		30% (2.363m) :	0.345m
		20% (1.575m) :	0.242m
		10% (0.788m) :	0.121m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.025m	0.025m	0.025m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	22.29
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	26.13	1,2,3,4,5 6,7

